



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/088,253	08/28/2002	Scott Hetherton	MP1705-US3	9293

7590 05/27/2003

Marguerite E Gerstner  
Tyco Electronics Corporation  
Intellectual Property Law Department  
307 Constitution Drive MS R20 2B  
Menlo Park, CA 94025-1164

[REDACTED] EXAMINER

EASTHOM, KARL D

[REDACTED] ART UNIT [REDACTED] PAPER NUMBER

2832

DATE MAILED: 05/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.	10/088,253	Applicant(s)	Hetherton et al.
Examiner	Karl Easthom	Art Unit	2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM

### THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1)  Responsive to communication(s) filed on May 9, 2003

2a)  This action is FINAL.      2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

### Disposition of Claims

4)  Claim(s) 18-20 is/are pending in the application.

5)  Claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

4a) Of the above, claim(s) \_\_\_\_\_ is/are allowed.

5)  Claim(s) \_\_\_\_\_ is/are rejected.

6)  Claim(s) 18-20 is/are objected to.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)  The proposed drawing correction filed on 8/28/02 is: a)  approved b)  disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)  The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

13)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All b)  Some\* c)  None of:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

a)  The translation of the foreign language provisional application has been received.

15)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

1)  Notice of References Cited (PTO-892)

4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_

2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)

5)  Notice of Informal Patent Application (PTO-152)

3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_

6)  Other: \_\_\_\_\_

1. Applicant's election without traverse of Group II, claims 18-20 in Paper No. 6 is acknowledged. The preliminary amendment of 3/14/02 has been received and entered.
2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

3. Claims 18-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Chiang et al. Chiang et al. discloses the claimed invention at Fig. 6 with first and second laminates 11,12, plurality of transverse conductive members 51, and conductive surfaces with patterns, 13, 35, 15, 49. For claim 19, with two devices, the internal laminar members are 13, 35 on each of the laminates, with the external laminar members the other four 15, 49 on the other two laminates. In claim 20, the insulating polymer is 53. The apertures are 51, 31, with transverse conductive members as noted. The element 54 is part of the transverse conductive members and is seen at

the edge, or slightly extending into the apertures in Fig.9, meeting the limitation of lying within since it helps to define the aperture.

4. Claims 18-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Barrett. '591. Barrett. discloses the claimed invention at Figs. 8, 11 with first and second laminates 14,19, plurality of transverse conductive members 36, and conductive surfaces with patterns, 34a, 32a, 32d, 34d. For claim 19, the internal laminar members are 32c, 34c, 32b, 34b on each of the laminates. The apertures are surrounded by the transverse conductive members 36, 36.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See Form 892. Applicant should note that Li et al. 6,429,533 at Fig. 11 would appear to clearly support a 35 USC 102(e) rejection on claims 18-20 but for the CIP support of this application based upon 09/395869 (not supplied by PCT authority). That is, if applicant's claims are supported by 09/395869, Li et al. would not be prior art. Applicant is respectfully notified that unless the claims are amended to get around Li et al., a supply of the relevant pages of the support in 09/395869 for the claims based upon that application would greatly aid in the examination, and would be appreciated, since the application is not readily available to the Examiner at this time for inspection, and may not be available at the relevant examination times.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl Easthom whose telephone number is (703)308-3306. The examiner can normally be reached on M-Th. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad, can be reached on (703)308-7619. The fax phone number for the organization where this application or proceeding is assigned is (703)308-7722. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

  
KARL D. EASTHOM  
PRIMARY EXAMINER